

Supplemental figure 1

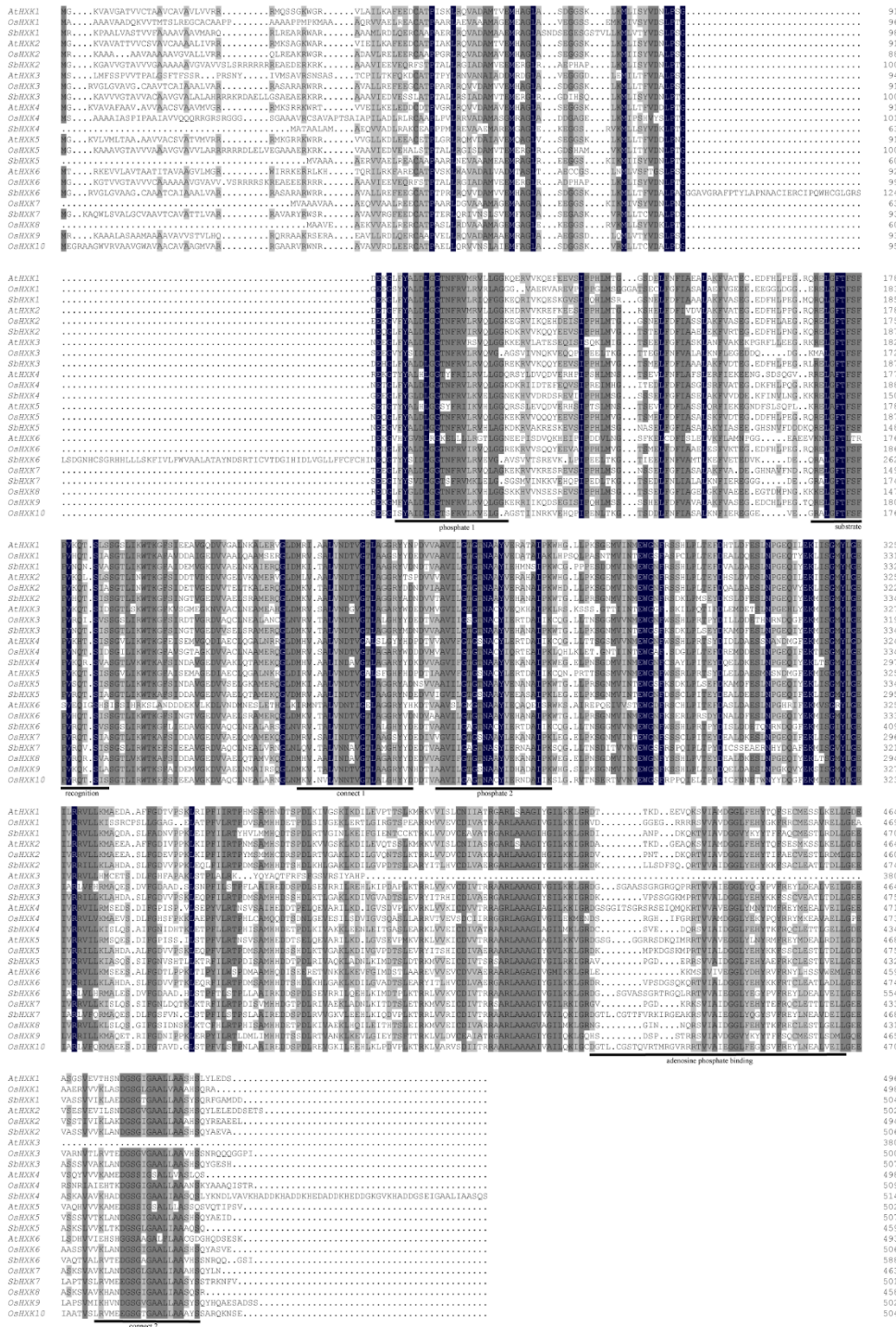


Table S1 Basic information of the seven sorghum hexokinase genes(*SbHXXs*)

Gene Name	Locus ID	Length of gene in bp	Length of protein in AA	pI	MW	Chr	CDS length in bp	Number of Exon	Chromosomal location
<i>SbHXX1</i>	Sobic.003G280400.1	4114	504	5.8	54771.97	3	1515	9	61559066..61563179
<i>SbHXX2</i>	Sobic.003G291800.1	6574	506	5.96	55066.07	3	1521	9	62430807..62437380
<i>SbHXX3</i>	Sobic.009G203500.1	5729	507	6	54723.67	9	1524	9	55223486..55229214
<i>SbHXX4</i>	Sobic.003G035500.1	4013	515	5.04	55586.23	3	1548	9	3255366..3259378
<i>SbHXX5</i>	Sobic.009G069800.1	3668	459	5.04	49477.45	9	1380	8	8119732..8123399
<i>SbHXX6</i>	Sobic.003G421201.1	6683	588	6.26	63497.87	3	1767	12	72624829..72631511
<i>SbHXX7</i>	Sobic.009G119100.1	4621	501	5.59	54353.25	9	1506	9	46791811..46796431

Table S2 Primers used in RT-qPCR for *SbHXXs* genes

Gene name	Gene ID	Primers for RT-qPCR(5'-3')	Expected cDNA length(bp)
<i>SbHXX1</i>	Sobic.003G280400.1	F:GTACCTCCGAAACTTGAGATCC R:TTCCTTGTTTTGCAACAGGTG	146
<i>SbHXX2</i>	Sobic.003G291800.1	F:TGGAGAAATTGTGCGGAGG R:TGCTTGAGATCATGTGAGGTG	150
<i>SbHXX3</i>	Sobic.009G203500.1	F:ATCCACTCGCAGCTCAAG R:AACACGTTTCTCCCTTCCTC	144
<i>SbHXX4</i>	Sobic.003G035500.1	F:CGCTGGTGTAATATTTGGCAC R:GTGATTGGGAGATAGGCTGAG	150
<i>SbHXX5</i>	Sobic.009G069800.1	F:TCACAGTCTTCAATCTTCGGC R:ATGATCTTGAGGTTGTCGGC	149
<i>SbHXX6</i>	Sobic.003G421201.1	F:CCTTTTGTTCTTTTGCTTCTGTC R:TCAGGGATGGGAAGTTTAACC	147
<i>SbHXX7</i>	Sobic.009G119100.1	F:GTGAATTGCTTATCTACCCCTTTC R:CCGAGTCTTCAGTGGAACATC	141